

## Recombinant Human SIGIRR

**Cat. No.** SIGIRR-1681H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Single immunoglobulin and toll-interleukin 1 receptor (TIR) domain, also known as SIGIRR is a member of the IL-1 receptor family. It acts as a negative regulator of interleukin (IL)-1 and lipopolysaccharide (LPS) signaling. It also plays a critical role in gut homeostasis, intestinal inflammation, and colitis-associated tumorigenesis by maintaining the microbial tolerance of the colonic epithelium.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Human SIGIRR is Mr 39 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-60 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Purity</b>	>90% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage

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instructions.

## GENE INFORMATION

**Gene Name** [SIGIRR single immunoglobulin and toll-interleukin 1 receptor \(TIR\) domain \[ Homo sapiens \]](#)

**Synonyms** SIGIRR; single immunoglobulin and toll-interleukin 1 receptor (TIR) domain; TIR8; MGC110992; single Ig IL-1R-related molecule; single immunoglobulin domain IL1R1 related; Single immunoglobulin domain-containing IL1R-related protein; Toll/interleukin-1 receptor 8; single immunoglobulin and toll-interleukin 1 receptor domain; Single Ig IL-1-related receptor

**Gene ID** [59307](#)

**mRNA Refseq** [NM\\_001135053](#)

**Protein Refseq** [NP\\_001128525](#)

**MIM** [605478](#)

**UniProt ID** [Q6IA17](#)

**Chromosome Location** 11p15.5

**Function** protein binding; transmembrane receptor activity

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